AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 1, line 3, as follows:

~~Description~~Background.

Page 1, before line 4, insert the following as a separate paragraph:

--1. Field--.

Page 1, line 5, insert the following as a separate paragraph:

--2. Description of Related Art--.

Page 2, after line 25, insert the following as a separate paragraph:

--Brief Summary--.

Page 6, line 1, insert the following as a separate paragraph:

--Brief Description of Drawings--.

Page 6, after line 15, insert the following as a separate paragraph:

--Detailed Description of Exemplary Embodiments--.

Please amend the paragraph beginning at page 7, line 23, as follows:

Once the model has been instantiated, a sequence of vectors $V_0,..., V_5$ is sequentially applied to the model at respective~~ly~~ times $t_0..., t_5$. When a vector is applied to the model, it is

multiplied by the probability density function applicable at the current time t_n, defined by the state objects, for the currently permitted states and the result is stored in the new token properties of the states. Referring to Figure 2, it can be seen that states S_2 and S_3 are not permitted at time t_0 and that state S_3 is not permitted at time t_1.

Please amend the paragraph beginning at page 12, line 14, as follows:

The speech recogniser 10 is programmed with models to enable it to recognise spoken extension numbers. Figure ~~6~~ 10 shows a network of models for English numerals.

Please amend the paragraph beginning at page 15, line 1, as follows:

In the event that one word to be recognised is an initial portion of another word to be recognised, for instance "seven" and "seventeen", the path through the network 4 (see Fig. 9) may include a number of instances of a model of the noise expected on a quiet telephone line.

Please amend the paragraph beginning at page 18, line 1, as follows:

~~Claims~~What is claimed is:.